

Title (en)  
Binder for powder coatings

Title (de)  
Bindemittel für Pulverlacke

Title (fr)  
Liant pour peinture en poudre

Publication  
**EP 0585742 B1 19961218 (DE)**

Application  
**EP 93113257 A 19930819**

Priority  
DE 4228514 A 19920827

Abstract (en)  
[origin: US5620751A] Binders for powder coatings comprising A) a solid unsaturated polyester and B) a polyurethane comprising (meth)acryloyl groups. These polyester-containing mixtures are distinguished by an improved blocking stability compared with polyurethane alone.

IPC 1-7  
**C09D 167/06**; **C09D 175/16**; **C09D 5/03**

IPC 8 full level  
**C09D 5/03** (2006.01); **C08G 18/67** (2006.01); **C09D 5/46** (2006.01); **C09D 167/06** (2006.01); **C09D 175/14** (2006.01); **C09D 175/16** (2006.01)

CPC (source: EP KR US)  
**C08G 18/672** (2013.01 - EP US); **C09D 5/03** (2013.01 - KR); **C09D 167/06** (2013.01 - EP KR US); **C09D 175/16** (2013.01 - EP KR US); **C08G 2150/20** (2013.01 - EP US); **Y10S 525/934** (2013.01 - KR); **Y10T 428/31551** (2015.04 - EP US)

Cited by  
US6133337A; DE19903725A1; WO0250147A3; US7390849B2; US6787581B2; US7001931B2; US7033676B1; WO2024099956A1; US6485793B1; EP0702040A2; US6284321B1; WO9747400A3; WO2011067664A3; EP0636669B1; WO2019145472A1; WO2023280809A1; WO2022238259A1; WO2023280823A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI NL PT SE

DOCDB simple family (publication)  
**US 5620751 A 19970415**; AT E146512 T1 19970115; BR 9303493 A 19940315; CA 2103520 A1 19940228; CA 2103520 C 20030401; DE 4228514 A1 19940303; DE 59304798 D1 19970130; DK 0585742 T3 19970113; EP 0585742 A1 19940309; EP 0585742 B1 19961218; ES 2097407 T3 19970401; GR 3022134 T3 19970331; JP 3778578 B2 20060524; JP H06184467 A 19940705; KR 100297307 B1 20011122; KR 940004020 A 19940314; MX 9305172 A 19940531; MY 110209 A 19980228; TW 245737 B 19950421

DOCDB simple family (application)  
**US 61543396 A 19960314**; AT 93113257 T 19930819; BR 9303493 A 19930826; CA 2103520 A 19930806; DE 4228514 A 19920827; DE 59304798 T 19930819; DK 93113257 T 19930819; EP 93113257 A 19930819; ES 93113257 T 19930819; GR 960403572 T 19961220; JP 21048293 A 19930825; KR 930016326 A 19930823; MX 9305172 A 19930826; MY PI19931715 A 19930825; TW 82105771 A 19930720